

## **ABSTRACT**

The invention relates to antigens and nucleic acids encoding such antigens obtainable by screening a *Borrelia* genome, in particular an *B. burgdorferi* genome. In more specific aspects, the invention relates to methods of isolating such antigens and nucleic acids and to methods of using such isolated antigens for producing immune responses. The ability of an antigen to produce an immune response may be employed in vaccination or antibody preparation techniques.